

CONTRACT REQUESTS FORM (CRF)

CEC-94 (07/10)

CALIFORNIA ENERGY COMMISSION



☒ New Contract ☐ Amendment to Existing Contract: _____ Amendment Number: _____

Division	Contract Manager:	MS-	Phone	CM Training Date
Energy Research and Development	Zhiqin (Jessica) Zhang	47	916-327-1397	2/8/2001

Contractor's Legal Name	Federal ID Number
Clean Power Research	52-2156034

Title of Project
Demonstration and Validation of PV Output Variability Modeling

Term	Start Date	End Date	Amount
New/Original Contract	6/30/2011	6/30/2013	\$ 450,000

Line up the Amendment information as best as possible within the following table.

Amendment #	End Date (mm/dd/yy)	Amount

Business Meeting Information

Proposed Business Meeting Date	5/31/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Zhiqin (Jessica) Zhang	Time Needed:	5 minutes

Agenda Item Subject and Description

Possible approval of Contract 500-10-059 for \$450,000 with Clean Power Research to validate its existing model and methodologies to forecast the variability of Solar Photovoltaic electricity generation in California. This project will be done in coordination with the California Independent System Operator who will integrate these methodologies into its planning process. (PIER electric funding.) Contact: Zhiqin (Jessica) Zhang (5 minutes)

Business Meeting approval is not required for the following types of contracts: *Executive Director's signature is required in all cases.*

- ☐ Contracts less than \$10k (*Policy Committee's signature is also required*)
- ☐ Amendment for a no-cost time extension. Must be first extension, less than one year and original contract less than \$100k.
- ☐ Contracts less than \$25k for Expert Witness in Energy Facility licensing cases and amendments.

Purpose of Contract or Purpose of Amendment, if applicable

The purpose of this Agreement is to validate Clean Power Research's existing research and tools in partnership with the CAISO, and to integrate the methodologies into the CAISO planning process in order to address existing and future variability from solar PV generation

California Environmental Quality Act (CEQA) Compliance

- Is Contract considered a "Project" under CEQA?

☐ Yes: skip to question 2 ☒ No: complete the following (PRC 21065 and 14 CCR 15378):

Explain why contract is not considered a "Project":

Contract will not cause a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because contract involves data collection and computer modeling..
- If contract is considered a "Project" under CEQA:

☐ a) Contract **IS** exempt. (Draft NOE required)

☐ Statutory Exemption. List PRC and/or CCR section number: _____

☐ Categorical Exemption. List CCR section number: _____

☐ Common Sense Exemption. 14 CCR 15061 (b) (3)

Explain reason why contract is exempt under the above section:

☐ b) Contract **IS NOT** exempt. The Contract Manager needs to consult with the Energy Commission attorney assigned to their division and the Siting Office regarding a possible Initial Study.

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Budgets Information								
Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$	10-11	\$450,000	Yes	PIER-E	09-10	501.027	\$450,000
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$450,000		\$					\$
PIER - NG	\$		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
TOTAL:	\$450,000	TOTAL:	\$450,000		TOTAL:			\$450,000
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Tom Hoff	Name:	Tom Hoff
Address:	10 Glen Ct	Address:	10 Glen Ct
City, State, Zip:	Napa, CA 94558-4468	City, State, Zip:	Napa, CA 94558-4468
Phone/ Fax:	707-224-9992 /	Phone/ Fax:	707-224-9992 /
E-Mail:	tomhoff@clean-power.com	E-Mail:	tomhoff@clean-power.com

Contractor Is
<input checked="" type="checkbox"/> Private Company (including non-profits)
<input type="checkbox"/> CA State Agency (including UC and CSU)
<input type="checkbox"/> Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)

Selection Process Used	
<input checked="" type="checkbox"/> Solicitation	RFP
<input type="checkbox"/> Non Competitive Bid (Attach CEC 96)	Solicitation #: 500-10-503
<input type="checkbox"/> Exempt	Select Exemption

Civil Service Considerations
<input type="checkbox"/> Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship)
<input checked="" type="checkbox"/> Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)
<input type="checkbox"/> The Services Contracted:
<input type="checkbox"/> are not available within civil service
<input type="checkbox"/> cannot be performed satisfactorily by civil service employees
<input type="checkbox"/> are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system
<input type="checkbox"/> The Services are of such an:
<input type="checkbox"/> urgent
<input type="checkbox"/> temporary, or
<input type="checkbox"/> occasional nature
that the delay to implement under civil service would frustrate their very purpose.
Justification:

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**Payment Method**

- ☒ A. Reimbursement in arrears based on:
- ☒ Itemized Monthly ☐ Itemized Quarterly ☐ Flat Rate ☐ One-time
- ☐ B. Advanced Payment
- ☐ C. Other, explain:

Retention

1. Is contract subject to retention? ☐ No ☒ Yes
- If Yes, Do you plan to release retention prior to contract termination? ☒ No ☐ Yes

Justification of Rates

The rates charged in this contract are consistent with the rates charged in other agreements in which Clean Power Research is a subcontractor.

Disabled Veteran Business Enterprise Program (DVBE)

1. ☐ Not Applicable
2. ☒ Meets DVBE Requirements DVBE Amount:\$ \$22,500 DVBE %: 5
- ☐ Contractor is Certified DVBE
- ☒ Contractor is Subcontracting with a DVBE: Sol Verde Engineering
3. ☐ Requesting DVBE Exemption (attach CEC 95)

Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?

- ☒ No ☐ Yes
- If yes, check appropriate box: ☐ SB ☐ MB ☐ DVBE

Is Contractor subcontracting any services?

- ☐ No ☒ Yes
- If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:
- | | | | | |
|------------------------------|--|-----------------------------|--|--|
| Sol Verde Engineering | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input checked="" type="checkbox"/> MB | <input checked="" type="checkbox"/> DVBE |
| UC Davis Energy Institute | <input checked="" type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| Norris Energy Consulting Co. | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input checked="" type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| Richard Perez | <input checked="" type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |

Miscellaneous Contract Information

1. Will there be Work Authorizations? ☒ No ☐ Yes
2. Will there be IT expenditures? ☒ No ☐ Yes
3. Is the Contractor providing confidential information? ☒ No ☐ Yes
4. Is the contractor going to purchase equipment? ☒ No ☐ Yes
5. Check frequency of progress reports
- ☒ Monthly ☐ Quarterly ☐ _____
6. Will a final report be required? ☐ No ☒ Yes
7. Is the contract, with amendments, longer than a year? If yes, why? ☐ No ☒ Yes

The Department of General Services has agreed to give the Commission blanket authority to execute multi-year contracts to support the Commission's RD&D Programs.

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**The following items should be attached to this CRF**

1. Scope of Work, Attach as Exhibit A.	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
2. Budget Detail, Attach as Exhibit B.	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
3. CEC 96, NCB Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
4. CEC 30, Survey of Prior Work	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
5. CEC 95, DVBE Exemption Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
6. Draft CEQA Notice of Exemption (NOE)	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
7. Resumes	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached

Contract Manager_____
Date_____
Office Manager_____
Date_____
Deputy Director_____
Date

The following signatures are only required when contract approval is delegated to the Executive Office and not approved at a Business Meeting.
See Business Meeting Information Section.

Presiding Policy Committee_____
Date_____
Associate Policy Committee_____
Date_____
Executive Director_____
Date